



Water-Data Report UT-2005

10143500 CENTERVILLE CREEK ABOVE DIVERSIONS, NEAR CENTERVILLE, UT

Tributaries between Weber and Jordan Rivers

LOCATION.--Lat 40°54'59", long 111°51'44" referenced to North American Datum of 1927, in SW ¼ SW ¼ SE ¼ sec.8, T.2 S., R.1 E., Davis County, Hydrologic Unit 16020102, 1.2 mi east of Centerville.

DRAINAGE AREA.--3.15 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1949 to September 1980, May 1, 1999 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. 120-V-notch sharp crested weir since November 1960. Elevation of gage is 4,680 ft above NGVD of 1929, from topographic map. Prior to November 21, 1960, at site 250 ft downstream at different datum.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39 ft³/s, May 19, 2002, gage height, 2.44 ft; minimum daily discharge, 0.37 ft³/s, Sep 18, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 32 ft³/s, May 20, gage height, 2.23 ft; minimum daily discharge, 0.56 ft³/s, Oct 17.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.64	0.80	1.0	1.1	1.3	1.4	2.3	11	20	6.5	2.7	1.5
2	0.61	0.78	1.0	1.1	1.3	1.4	2.5	10	19	6.1	2.6	1.4
3	0.63	0.81	1.0	1.1	1.3	1.4	2.9	10	18	5.8	2.4	1.4
4	0.64	0.84	1.0	1.1	1.3	1.5	3.4	11	17	5.4	2.1	1.4
5	0.65	0.83	1.0	1.1	1.3	1.5	3.3	11	16	5.2	2.0	1.4
6	0.66	0.83	1.0	1.1	1.3	1.6	3.5	11	17	5.0	2.0	1.3
7	0.64	0.83	1.1	1.2	1.4	1.6	4.1	11	16	4.7	1.9	1.3
8	0.63	1.0	1.1	1.2	1.4	1.7	6.1	11	15	4.5	1.9	1.3
9	0.63	1.2	1.5	1.2	1.3	1.8	6.1	11	15	4.3	1.9	1.2
10	0.65	1.1	1.3	1.5	1.3	1.9	5.6	11	14	4.2	1.9	1.2
11	0.68	e1.1	1.2	1.5	1.3	2.0	5.1	12	15	4.1	1.8	1.3
12	0.69	e1.1	1.1	1.3	1.5	2.1	5.3	12	17	3.9	1.7	1.4
13	0.70	e1.1	1.1	1.3	1.3	2.1	6.2	13	16	3.8	1.7	1.3
14	0.71	e1.2	1.1	1.3	1.5	2.0	7.0	14	17	3.7	1.7	1.3
15	0.69	e1.2	1.1	1.3	1.4	1.9	7.1	15	16	3.6	1.7	1.3
16	0.66	1.2	1.1	1.2	1.4	1.8	7.4	16	16	3.5	e1.9	1.3
17	0.56	1.1	1.1	1.2	1.4	1.8	8.1	19	16	3.4	e1.9	1.3
18	0.61	1.1	1.1	1.2	1.4	1.7	8.5	22	15	3.3	2.0	1.3
19	0.67	1.1	1.1	1.2	1.5	1.7	8.1	25	14	3.2	1.9	1.3
20	1.5	1.0	1.1	1.3	1.5	2.0	7.5	28	13	3.1	1.9	1.3
21	1.1	0.98	e1.1	1.3	1.3	1.8	6.8	30	12	3.0	1.9	1.7
22	0.78	1.0	e1.1	1.3	1.3	1.7	6.7	29	13	3.0	1.9	1.5
23	0.77	1.0	e1.1	1.4	1.3	2.0	7.1	28	12	3.0	1.9	1.4
24	1.3	0.99	e1.1	1.4	1.3	2.3	8.8	27	11	2.9	1.8	1.5
25	0.93	1.1	e1.1	1.5	1.3	2.1	9.6	25	9.7	2.8	1.8	1.5
26	0.90	1.1	e1.1	1.5	1.4	2.0	10	24	9.1	2.7	1.8	1.5
27	0.94	1.00	e1.1	1.5	1.4	2.0	11	23	8.5	2.6	1.6	1.5
28	1.2	1.1	e1.1	1.5	1.4	2.3	12	22	8.0	2.5	1.5	1.5
29	0.98	1.0	1.1	1.4	---	2.4	12	21	7.3	2.6	1.5	1.5
30	0.90	1.0	1.1	1.4	---	2.4	12	22	6.9	2.8	1.5	1.5
31	0.97	---	1.1	1.3	---	2.2	---	21	---	2.7	1.5	---
Total	24.62	30.49	34.2	40.0	38.1	58.1	206.1	556	419.5	117.9	58.3	41.6
Mean	0.79	1.02	1.10	1.29	1.36	1.87	6.87	17.9	14.0	3.80	1.88	1.39
Max	1.5	1.2	1.5	1.5	1.5	2.4	12	30	20	6.5	2.7	1.7
Min	0.56	0.78	1.0	1.1	1.3	1.4	2.3	10	6.9	2.5	1.5	1.2
Ac-ft	49	60	68	79	76	115	409	1,100	832	234	116	83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-80, 2000-05, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.34	1.40	1.37	1.37	1.42	1.96	4.91	10.4	6.27	2.30	1.39	1.24
Max	2.22	2.06	2.00	2.23	2.25	5.49	10.2	21.1	17.4	6.31	3.00	2.10
(WY)	(1976)	(1972)	(1972)	(1972)	(1971)	(1972)	(1974)	(1952)	(1975)	(1975)	(1975)	(1975)
Min	0.79	0.90	0.89	0.88	1.00	0.88	1.92	2.07	0.97	0.56	0.55	0.54
(WY)	(2005)	(1962)	(1955)	(1962)	(2002)	(1955)	(1961)	(1961)	(1961)	(1961)	(1961)	(2004)

10143500 CENTERVILLE CREEK ABOVE DIVERSIONS, NEAR CENTERVILLE, UT—Continued**SUMMARY STATISTICS**

	Calendar Year 2004	Water Year 2005	Water Years 1950-80, 2000-05	
Annual total	714.73	1,624.91		
Annual mean	1.95	4.45	2.93	
Highest annual mean			4.99	1974
Lowest annual mean			1.08	1961
Highest daily mean	7.2	May 11	30	May 20, 1975
Lowest daily mean	0.37	Sep 18	0.56	Sep 18, 2004
Annual seven-day minimum	0.41	Aug 10	0.64	0.41 Aug 10, 2004
Annual runoff (ac-ft)	1,420		3,220	2,120
10 percent exceeds	5.3		14	6.9
50 percent exceeds	1.1		1.5	1.6
90 percent exceeds	0.58		1.00	0.94

